

ELECTRONIC APPARATUS HAVING AN ANTENNA WITH
VARIABLE DIELECTRIC TO OPTIMIZE RADIO
COMMUNICATIONS AT DIFFERENT FREQUENCIES

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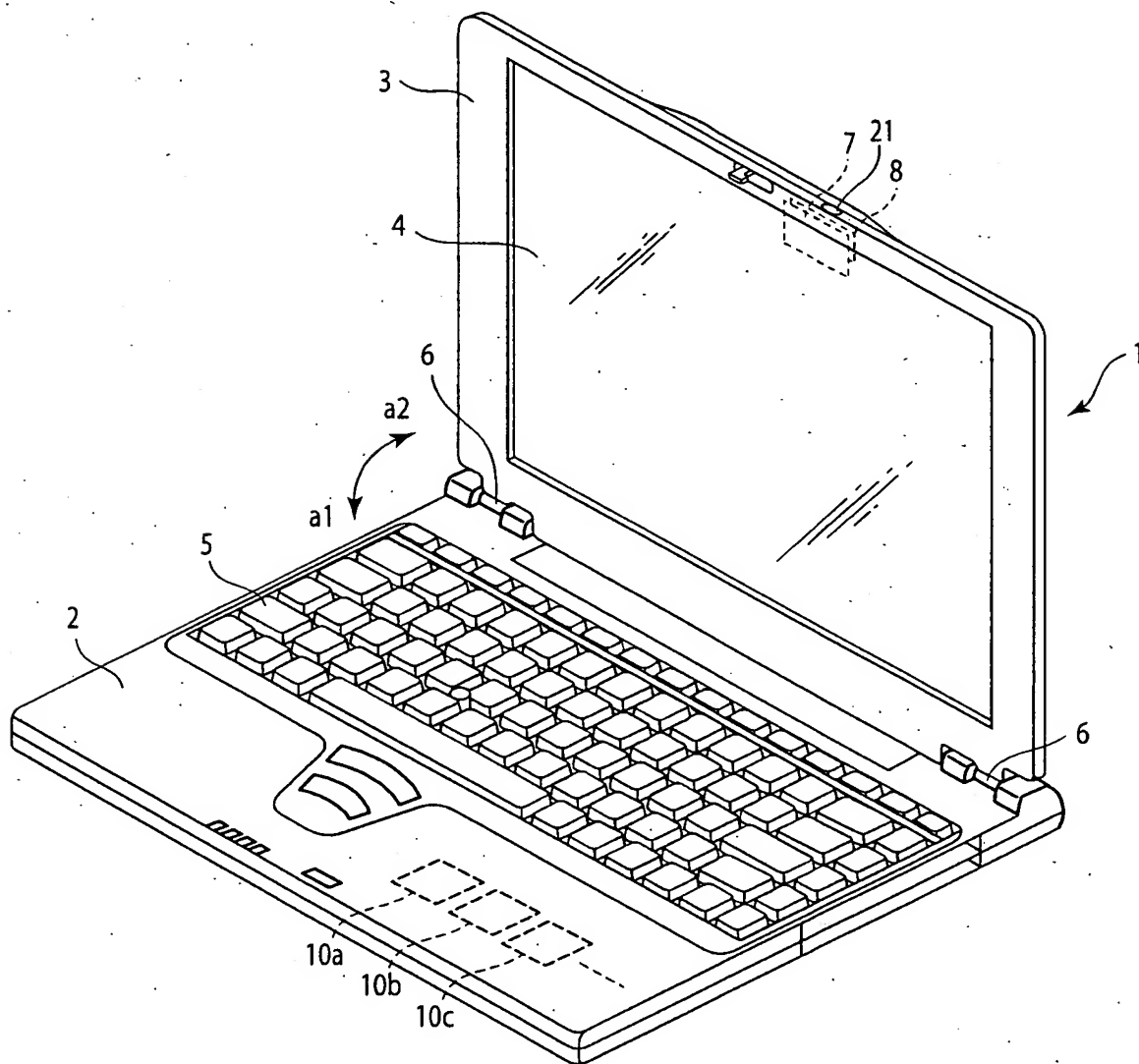


FIG. 1

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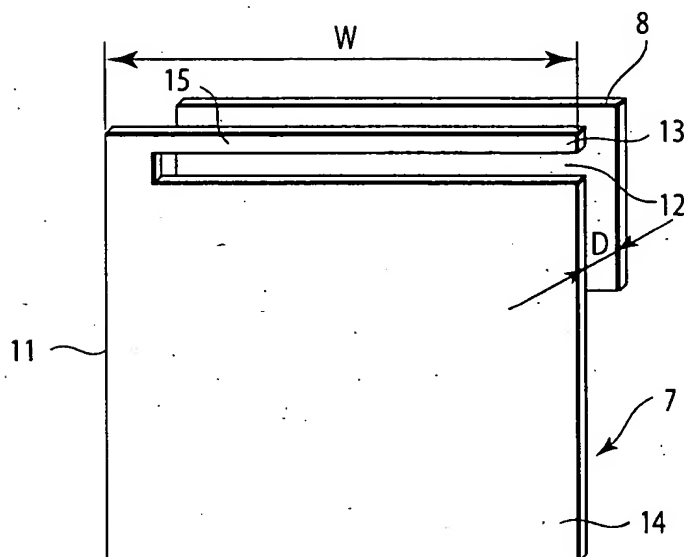


FIG. 2

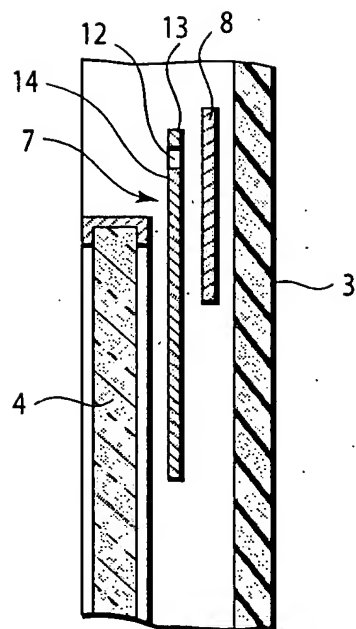


FIG. 3

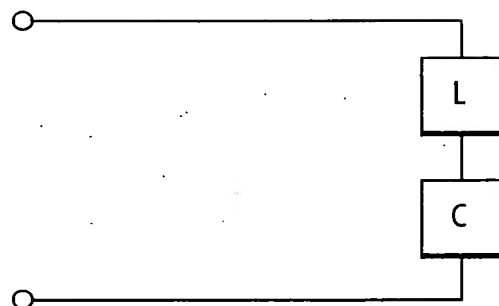


FIG. 4

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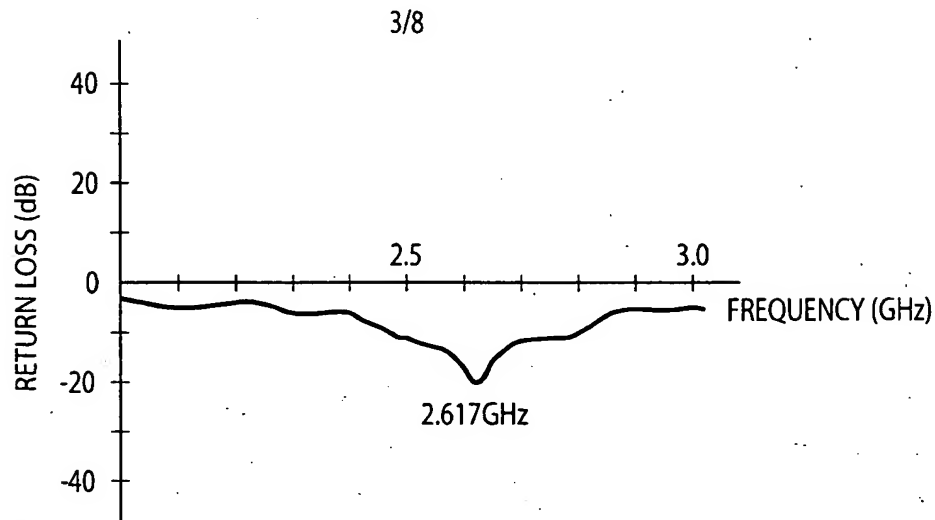


FIG. 5A

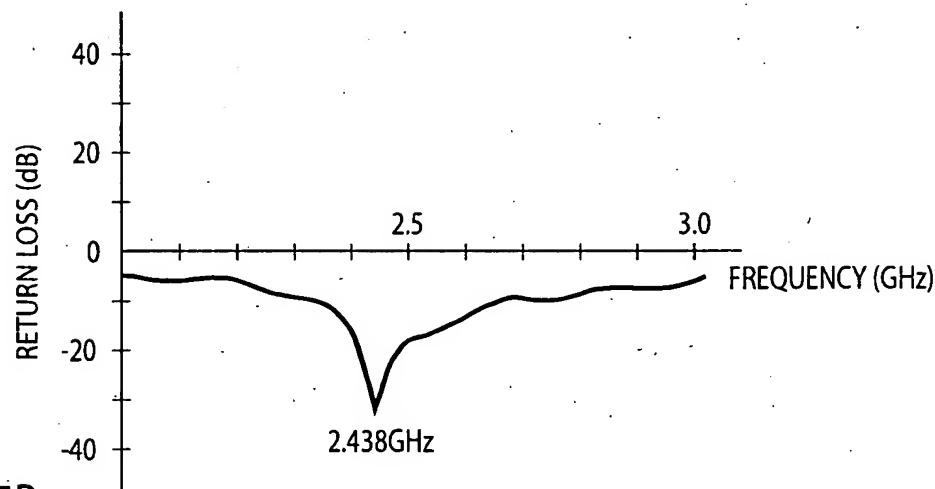


FIG. 5B

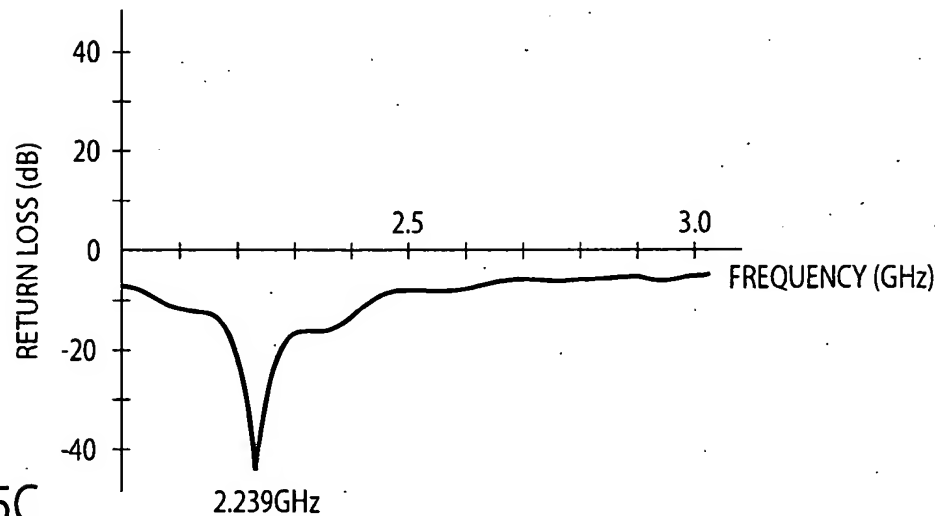


FIG. 5C

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A perspective view of the device. It shows two main horizontal sections: an upper part labeled 3 and a lower part labeled 7. They are separated by a vertical gap labeled D. The upper part 3 consists of a top surface 35, a middle layer 32, and a bottom layer 33. An arrow labeled d1 points to the left above the upper part. The lower part 7 consists of a front wall 8 and a back wall 8. A layer 34 is positioned between the two parts, resting on the back wall 8. An arrow labeled e1 points to the left below the lower part.

FIG. 7

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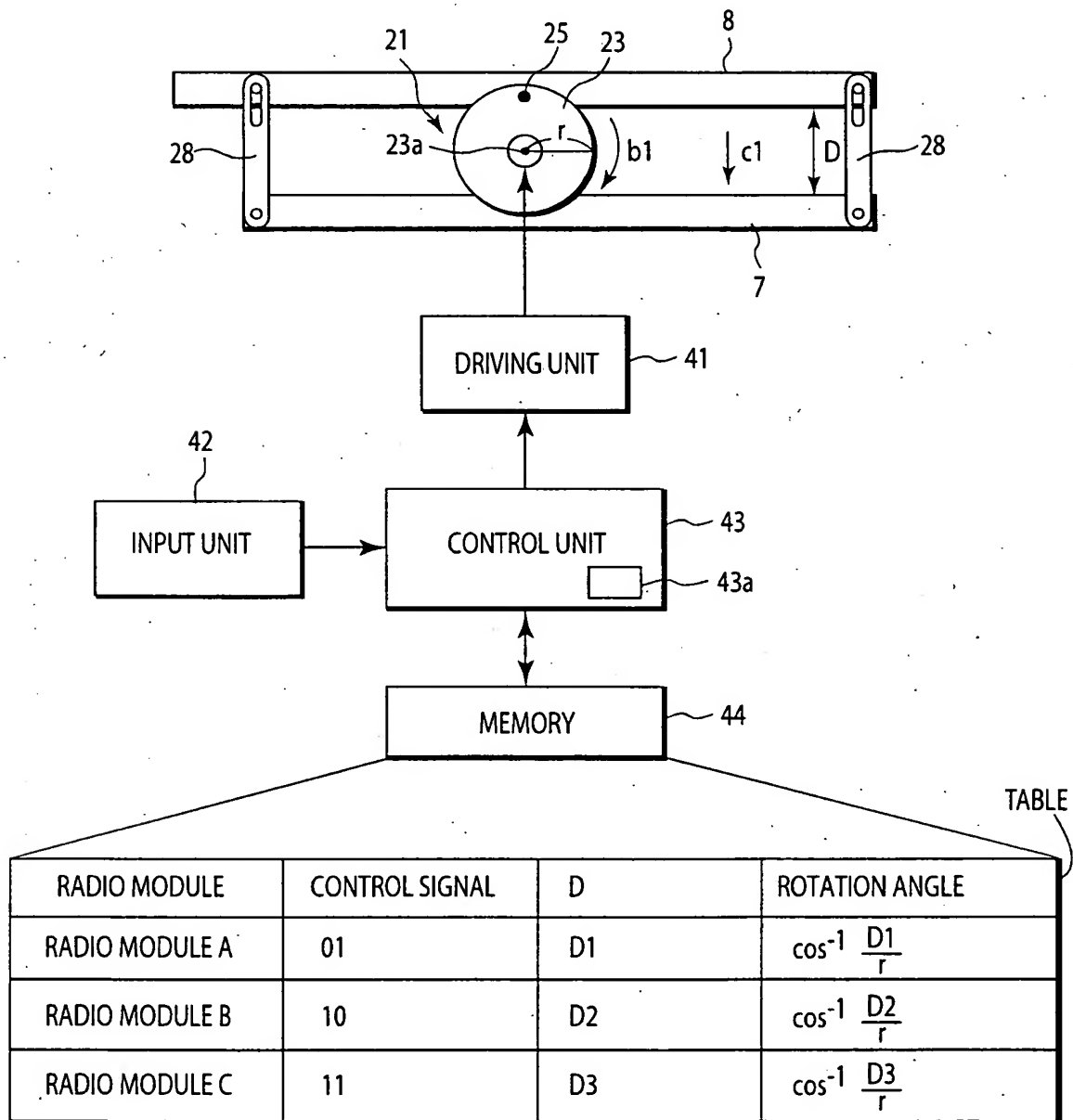


FIG. 8

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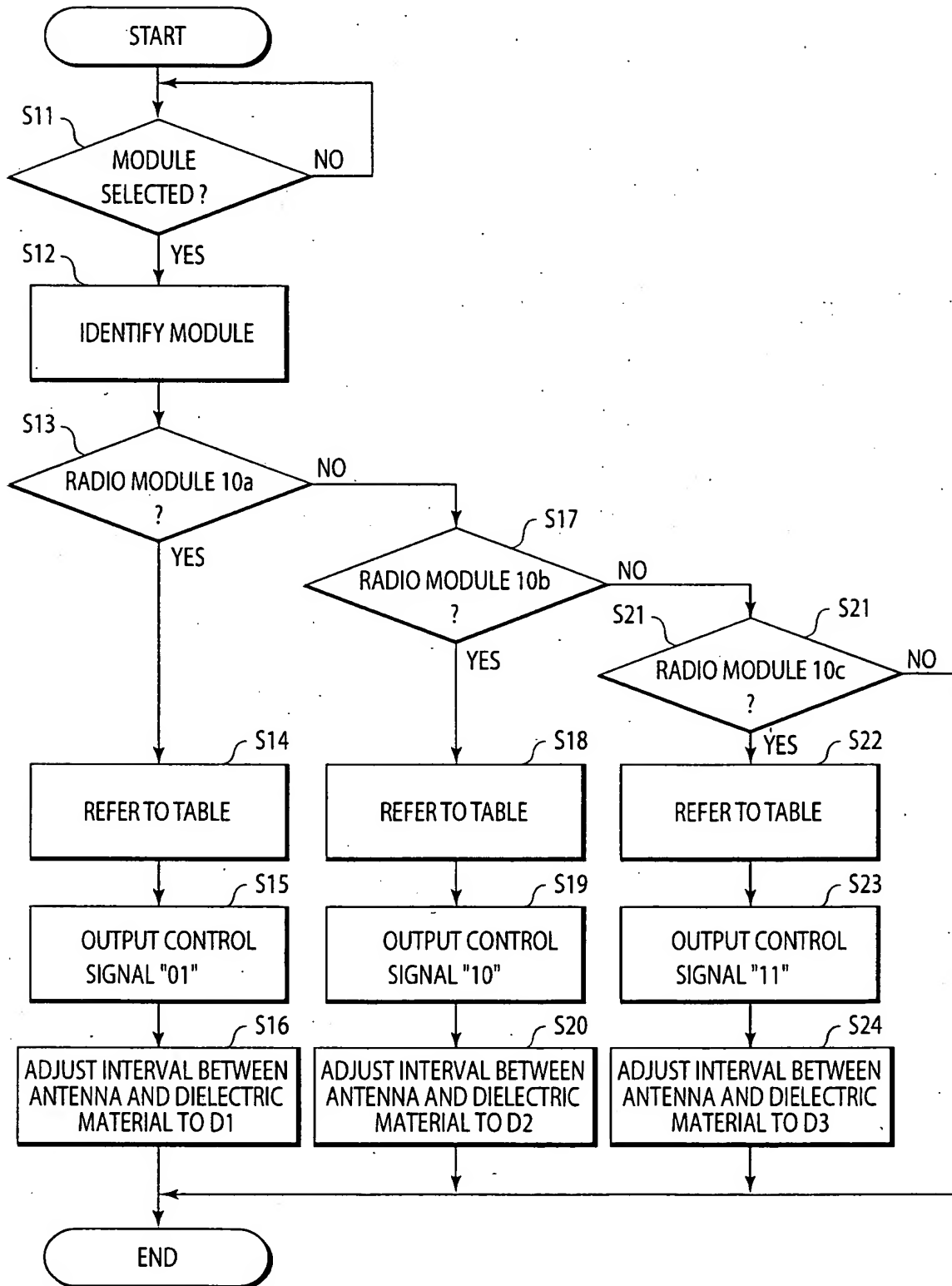


FIG. 9

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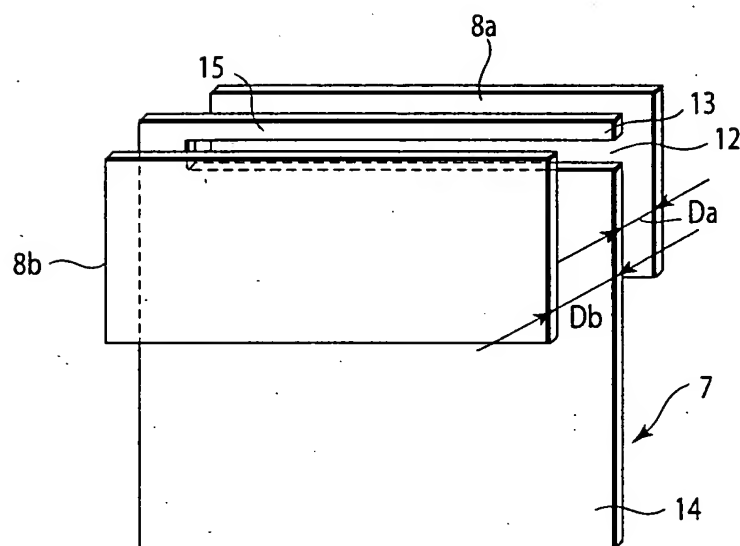


FIG. 10

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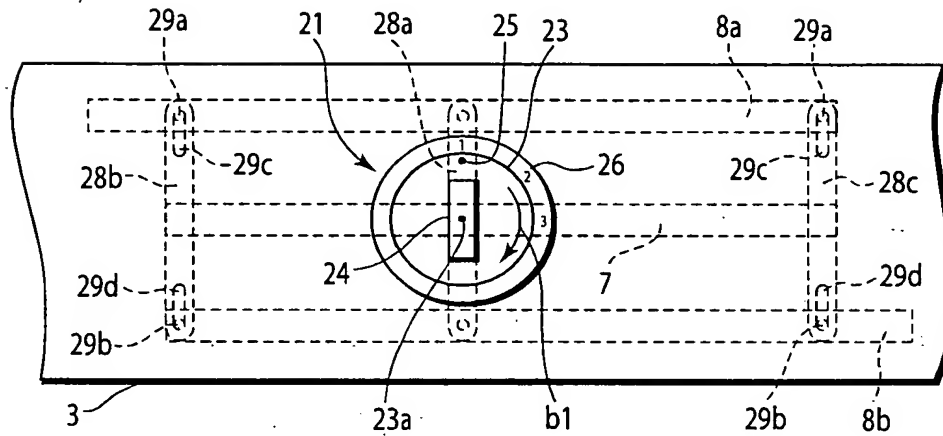


FIG. 11

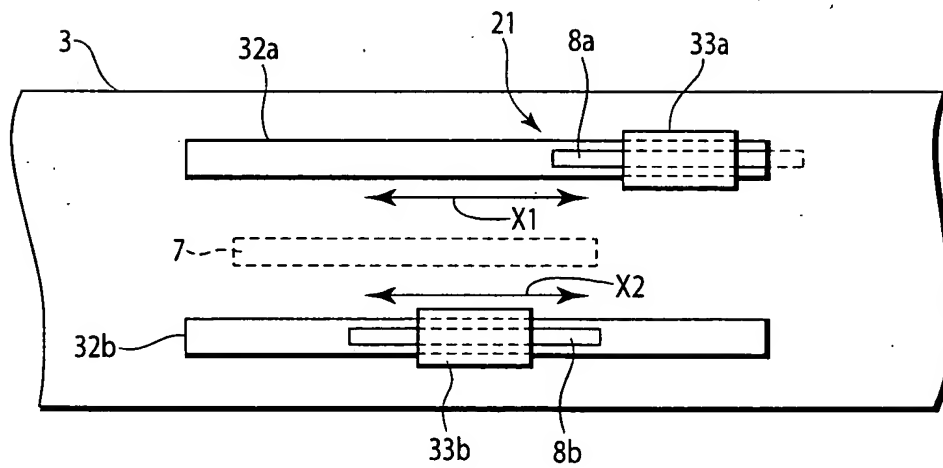


FIG. 12